	Application No.	Applicant(s)
Notice of Allowability	09/690,077	SHIMELMITZ ET AL.
	Examiner	Art Unit	
	Robert W Wilson	2661	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to *10/26/04*.

2. ☒ The allowed claim(s) is/are *10-12, 23, & 30 (Renumbered 1-5)*.

3. ☒ The drawings filed on *16 October 2000* are accepted by the Examiner.

4. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
    a) ☐ All   b) ☐ Some*   c) ☐ None   of the:
        1. ☐ Certified copies of the priority documents have been received.
        2. ☐ Certified copies of the priority documents have been received in Application No. _____ .
        3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the
            International Bureau (PCT Rule 17.2(a)).
    * Certified copies not received: _____ .

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application. **THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.

6. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
    (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
        1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____ .
    (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of
        Paper No./Mail Date _____ .

    Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).

7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)
1. ☒ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO-1449 or PTO/SB/08), Paper No./Mail Date _____
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material

5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☒ Interview Summary (PTO-413), Paper No./Mail Date _____ .
7. ☒ Examiner's Amendment/Comment
8. ☐ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____ .

DETAILED ACTION

1.0 The application of Alik Shimelmitz et. al. entitled "CIRCUIT EMULATION SERVICE (CES) OVER IP" filed on 10/16/2000 without foreign priority and was amended on 6/30/04 and amended on 10/26/04 was examined. Claims 10-17, 23, & 30 are pending.

Examiner's Amendment

2.0 Cancel claims 13-17.

Allowable Subject Matter

3.0 The invention is directed to a computer base system implementing circuit emulation over IP said system comprising a circuit data receiver from VC-12, SDH framer, High order adapttion function and a CE to IP function further comprising: packetizer, encapsulator, layer 2 incorporator, and packetizer including a packet transmit function that generates no packets when a loss of a pointer is detected.

The closest prior art is Cox (U.S. Patent No.; 6,459, 708) ,Visser (U.S. Patent No.: 6,104,702), and Barker (U.S. Patent No.: 5,931,916).

Cox (U.S. Patent No.: 6,459, 708) teaches circuit emulation conversion of T1/E1 into UDP frames. Visser (U.S. Patent No.: 6,104,702) teaches that SDH protocol is made up of VC-12 frames and that AIS signal are generated upon loss of a VC-12. Barker (U.S. Patent No.: 5,931,916) that it is well known in the art to add checksum to UDP in order to determine errors in UDP packets.

The combination of the closest prior art Cox (U.S. Patent No.; 6,459, 708) ,Visser (U.S. Patent No.: 6,104,702), and Barker (U.S. Patent No.: 5,931,916) does not either singularly or in combination disclose, anticipate, or render the following claim limitations obvious:

"wherein said packetizer further including a packet transmit function that generates no packets when a loss of a point is detected" as claimed in **Claim 10.**

"wherein said packetizer further including a packet transmit function that generates a special control packet when the HPA generates an error" as claimed in **Claim 11.**

"a layer-2 incorporator to add layer-2 operations; and a clock-recoverer further comprising:

a receiver which receives the RTP packet; a sampler which samples a local time stamp and a buffer pointer position; a time-stamp-estimator which tests the sync number and calculates the estimated time stamp; an error-calculator which calculates the error; an inserter that inserts into

array said calculated error in the right sync position according to the right sync number" as claimed in **Claim 23**.

"passing the data packets through a clock recovery function that further comprising the steps of: receiving the RTP packets; sampling a local time stamp and buffer pointer position; testing the sync number and calculating the estimated time stamp; inserting into array said calculated error in the right sync position according to the right synch number" as claimed in **Claim 30.**

In Addition:

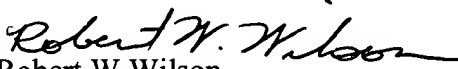**Claim 12** is allowed because it depends upon **Claim 1.**

Conclusion

4.0   Any inquiry concerning this communication or earlier communications from the

examiner should be directed to Robert W Wilson whose telephone number is 571/272-3075. The

examiner can normally be reached on M-F (8:00-4:30).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's

supervisor, Kenneth Vanderpuye can be reached on 571/272-3078. The fax phone number for

the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent

Application Information Retrieval (PAIR) system. Status information for published applications

may be obtained from either Private PAIR or Public PAIR. Status information for unpublished

applications is available through Private PAIR only. For more information about the PAIR

system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR

system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Robert W Wilson
Examiner
Art Unit 2661

KENNETH VANDERPUYE
PRIMARY EXAMINER

RWW
January 10, 2005